

## ABSTRACT

5 A method for assigning a channel in multi-FA CDMA mobile communication system according to the received power prevents communication quality of a FA from being inferior to that of the others by managing the interference level of the FA. The method comprises the steps of: comparing a first threshold value with received power when the base station receives a new call request; assigning a traffic channel in a first FA of the request, if the received power is less than the first threshold value, and searching a second FA of which received power is least, if not; comparing a second threshold value with the received power of the second FA; and assigning a traffic channel in the second FA if the received power is less than the second threshold value, and rejecting the request, if not.